

## SEQUENCE LISTING

<110> Qin, Ning  
Codd, Ellen  
D'Andrea, Michael

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&lt;120&gt; DNAs encoding human beta1a sodium channel subunit

&lt;130&gt; ORT-1221

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&lt;160&gt; 14

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 12

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<213> Homo sapiens

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10

15

Ala Cys Gly Gly Cys Val Glu Val Asp Ser Glu Thr Glu Ala Val Tyr

20

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35

Gly Met Thr Phe Lys Ile Leu Cys Ile Ser Cys Lys Arg Arg Ser Glu

35

40

45

Thr Asn Ala Glu Thr Phe Thr Glu Trp Thr Phe Arg Gln Lys Gly Thr  
50 55 60

5 Glu Glu Phe Val Lys Ile Leu Arg Tyr Glu Asn Glu Val Leu Gln Leu  
65 70 75 80

Glu Glu Asp Glu Arg Phe Glu Gly Arg Val Val Trp Asn Gly Ser Arg  
85 90 95

10 Gly Thr Lys Asp Leu Gln Asp Leu Ser Ile Phe Ile Thr Asn Val Thr  
100 105 110

Tyr Asn His Ser Gly Asp Tyr Glu Cys His Val Tyr Arg Leu Leu Phe  
15 115 120 125

Phe Glu Asn Tyr Glu His Asn Thr Ser Val Val Lys Lys Ile His Ile  
130 135 140

20 Glu Val Val Asp Lys Gly Glu Ser Gly Ala Ala Cys Pro Phe Thr Val  
145 150 155 160

Thr His Arg Arg Ala Arg Trp Arg Asp Arg Trp Gln Ala Val Asp Arg  
165 170 175

25 Thr Gly Trp Leu Cys Ala Trp Pro Ala Asn Arg Pro Gln Gln Arg Ala  
180 185 190

Glu Gly Glu Gly Ser Ser Pro Ser Cys Pro Leu Gln Leu Trp Pro Leu  
30 195 200 205

Phe Leu Ser Ser Pro Arg Arg Gly Gln Ser Met Pro Val Pro His Arg  
210 215 220

35 Arg Ser Gly Tyr Arg Thr Gln Leu Cys His Leu Cys Cys Met Thr Ser  
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Gly Arg Cys Leu Leu Ser Leu Ser Gln Arg Val Val Leu Gly Leu Pro

245

250

255

Gly Ile Ile Ile Arg Cys Val Ser Arg Gly Val Val

5

260

265